

STATEMENT OF WORK
Lined Waterway or Outlet (468)
Wyoming

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

DESIGN

Deliverables:

1. Design Surveys
 - a. Profile and cross-sections along centerline of waterway or channel.
 - b. Detailed topography at inlet, outlet and at the location of other related structures.
 - c. Soils classification throughout waterway.
2. Design documents that demonstrate criteria in practice standard have been met and are compatible with planned and applied practices
 - a. Practice purpose(s) as identified in the conservation plan.
 - b. List of required permits to be obtained by the client
 - c. Compliance with NRCS national and state utility safety policy (NEM part 503-Safety, Section 503.00 through 503.22)
 - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Hydrology/hydraulics
 - ii. Type of liner
 - iii. Structural and hydraulic design of structures
 - iv. Outlet capacity and stability
 - v. Quantity computations
3. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
 - a. Plan of waterway or outlet.
 - b. Profile and cross-section of waterway or outlet.
 - c. Plan and detailed sections of all related structures.
 - d. Log of soil investigation (if required).
 - e. Table of quantities.
 - f. Location map.
4. Operation and maintenance plan
5. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03(b)(2))
6. Design modifications during installation as required

INSTALLATION

Deliverables

1. Pre-installation conference with client and contractor
2. Verification that client has obtained required permits
3. Staking and layout according to plans and specifications including applicable layout notes
 - a. Centerline, slope stakes, and reference stakes for the waterway or outlet.
 - b. Alignment and reference stakes for all structures.
4. Installation inspection
 - a. Actual materials used
 - b. Inspection records
5. Facilitate and implement required design modifications with client and original designer
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation
7. Certification that the installation process and materials meets design and permit requirements

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CHECK OUT

Deliverables

1. As-built documentation
 - a. Extent of practice units applied
 - b. Drawings
 - c. Profile of completed waterway (100' maximum interval).
 - d. Cross-sections of waterway.
 - e. Dimensions alignment and elevation of structures.
 - f. Concrete tests.
 - g. Contraction and expansion joint spacing (if required).
 - h. Method of curing.
 - i. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Subpart A, 505.03(c)(1))
3. Progress reporting

REFERENCES

- Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Lined Waterway or Outlet, 468
- National Engineering Manual, Utility Safety Policy
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook